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Re-evaluation Decision

RVD2014-10

# Flumetsulam

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## Re-evaluation Decision

Flumetsulam is a herbicide active ingredient used for control of broadleaved weeds in hybrid field corn and soybeans in Eastern Canada. There are eight products containing flumetsulam that are currently registered in Canada under the authority of the *Pest Control Products Act*, including one technical grade active ingredient, six commercial class end-use products and one manufacturing concentrate.

After a re-evaluation of flumetsulam, Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act*, is granting continued registration of products containing flumetsulam for sale and use in Canada. An evaluation of available scientific information found that products containing flumetsulam do not present unacceptable risks to human health or the environment when used according to the conditions of registration, which include amended label directions. As a condition of the continued registration of flumetsulam, label amendments are required for all end-use products. Appendix I lists the required label amendments. No additional data are requested at this time.

The PMRA's pesticide re-evaluation program considers potential risks, as well as value, of pesticide products to ensure they meet modern standards established to protect human health and the environment. Regulatory Directive DIR2012-02, *Re-evaluation Program Cyclical Re-evaluation*, presents the details of the cyclical re-evaluation approach, which is in line with the requirements of the *Pest Control Products Act*. Re-evaluation draws on data from registrants, published scientific reports, information from other regulatory agencies and any other relevant information available.

This re-evaluation decision<sup>1</sup> was proposed in the consultation document, Proposed Re-evaluation Decision PRVD2014-05, *Flumetsulam*. No comments were received during the consultation process. Therefore, this decision is consistent with the proposed re-evaluation decision stated in PRVD2014-05, *Flumetsulam*. Please refer to both the Overview and more detailed Science Evaluation of PRVD2014-05 for the human health, environmental and value considerations underlying this re-evaluation decision.

A reference list for all data used as the basis for the re-evaluation decision is also included in PRVD2014-05.

To comply with this decision, the registrant of flumetsulam products will be informed of the specific requirements affecting their product registration(s) and of the regulatory options available to them.

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<sup>1</sup> "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

## Other Information

Any person may file a notice of objection<sup>2</sup> regarding this decision on flumetsulam within 60 days from the date of publication of this Re-evaluation Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides and Pest Management portion of Health Canada's website (Request a Reconsideration of Decision) or contact the PMRA's Pest Management Information Service.

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<sup>2</sup> As per subsection 35(1) of the *Pest Control Products Act*

## Appendix I Label Amendments for Products Containing Flumetsulam

The label amendments presented below do not include all label requirements for individual end-use products, such as first-aid statements, disposal statements, precautionary statements and supplementary protective equipment. Information on labels of currently registered products should not be removed unless it contradicts the following label statements.

### Technical Class Product:

- I) The following warning statement should appear on the **Primary** panel of the technical product label:



- CAUTION POISON

- II) The following statements are to be added to the “**Environmental Hazards**” section of the Flumetsulam Technical product label:

- TOXIC to aquatic organisms and non-target terrestrial plants.

- III) The following statements are required under the “**Precautions**” Section of the Flumetsulam Technical product label:

- Harmful if inhaled. Avoid inhaling/breathing dusts, vapours or spray mist.
- DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

### Commercial Class Products:

- I) The following statements must be included in a section entitled “**Precautions.**”

- Do not enter or allow worker entry into treated areas during the Restricted-Entry Interval (REI) of 12 hours.
- Apply only when the potential for spray drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

- II) The following statements are to be added to the “**Directions for Use**” section of products registered for use on soybean:

- The Pre-Harvest Interval (PHI) for soybean is 90 days.



III) The following statements are to be added to the “**Environmental Hazards**” section of all product labels:

- TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application of this product when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.
- The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

IV) The following statements are required under the “**Directions for Use**” Section on all product labels:

- As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.
- **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.
- **DO NOT** apply by air.

**For Products Containing Flumetsulam Alone:**

**Buffer Zones:**

- Use of the following spray methods or equipment **DOES NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.
- The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, wood lots, hedgerows, riparian areas and shrublands), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

### Buffer Zones Required for Products Containing Flumetsulam Alone

Method of application	Crop	Buffer Zones (Metres) Required for the Protection of: Freshwater Habitat of Depths: Less than 1 m	Buffer Zones (Metres) Required for the Protection of: Freshwater Habitat of Depths: Greater than 1 m	Buffer Zones (Metres) Required for the Protection of: Terrestrial habitat
Field sprayer	Hybrid field corn	1	1	15
Field sprayer	Soybean	1	1	20

- For tank-mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank-mix partners.

### For Products Containing Flumetsulam + S-metolachlor (e.g. Broadstrike Products; Reg. No. 26628 and 27004):

#### Buffer Zones:

- Use of the following spray methods or equipment **DOES NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.
- The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

### Buffer Zones Required for Products Containing Flumetsulam + S-metolachlor

Method of application	Crop	Buffer Zones (Metres) Required for the Protection of: Aquatic Habitat: Less than 1 m	Buffer Zones (Metres) Required for the Protection of: Aquatic Habitat: Greater than 1 m	Buffer Zones (Metres) Required for the Protection of: Terrestrial habitat
Field sprayer	Soybean	25	25	20

- For tank-mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank-mix partners.

**For Products Containing Flumetsulam + Clopyralid (e.g. Fieldstar Products; Reg. No. 27145 and 27146):**

**Buffer zones:**

- Use of the following spray methods or equipment **DOES NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.
- The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, wood lots, hedgerows, riparian areas and shrublands), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

**Buffer Zones Required for Products Containing Flumetsulam + Clopyralid**

Method of application	Crop	Buffer Zones (Metres) Required for the Protection of: Freshwater Habitat of Depths: Less than 1 m	Buffer Zones (Metres) Required for the Protection of: Freshwater Habitat of Depths: Greater than 1 m	Buffer Zones (Metres) Required for the Protection of: Terrestrial habitat
Field sprayer	Hybrid field corn	1	1	15

- For tank-mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank-mix partners.